

ETL Testing



Data Warehousing Concepts

- Datawarehouse architecture
- Datawarehouse
- DW Schema
 - Star Schema
 - Snow Flake Schema
- Objects in DWH
 - Dimension table
 - Fact table
- SCD(SLOWLY CHANGING DIMENSIONS)
 - SCD TYPE 1
 - SCD TYPE 2
 - SCD TYPE 3

Differences between OLTP and OLAP

SDLC And STLC

- Agile Methodologies
- Waterfall Model

SQL (Structured Query Language)

- DDL (Data definition language)
- DML (Data manipulation language)
- DQL (Data query language)

Data Warehouse Life Cycle w.r ETL

ETL TESTING TYPES

- Data migration testing
- Sample testing and Scenario Testing
- BATCH JOB Testing
 - Inbound Testing
 - OutBound Testing

ETL TESTING TASKS

- Spec analysis
- Designing Testcases
- ETL Test scripts preparation
- Environment Preparation
- Test Execution
- Peer Reviews of QA deliverables

ETL Testing validations

- Structure validation
- Count validation
- TRANSFORMATION Logic Check
- Data validation
- MINUS Query
- Duplicate Check
- Error logic Check
- RI Validation(Referential integrity constraint check)
- Scenario testing
- Derived checks
- Default values check
- Data Integrity check

Basic checks at ETL Phases

- Extraction phase testing
- Transformation phase testing
- Loading phase testing

Testing for SCD

- SCD Type1 Testing
- SCD Type2 Testing

Overview of ETL Tool (Data stage)

CODE PROMOTION PROCESS

- Dev to QA
- QA to UAT
- UAT to Production

CONTROL M (Scheduling tool slides)

UNIX

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